

**SYSTEMS, DEVICES AND METHODS**  
**FOR APPLYING SOLUTION TO FILAMENT**

**ABSTRACT OF THE DISCLOSURE**

Systems, devices and methods for applying solution to a filament include an applicator for applying at least a partial coating of a solution to a filament, comprising: an applicator surface operable to at least partially coat a filament with a solution; a first container operable to supply the solution to the applicator surface, a volume of the solution in the first container corresponding to a solution level in the first container; a second container operable to contain a supply of solution in fluid communication with the solution in the first container such that the solution in the second container has a solution level indicative of the solution level of the solution in the first container; and a detector for determining the solution level within the second container, the detector operable to control an adjustment of the volume of the solution in the first container such that the solution level in the first container is maintained within a predetermined range of levels.

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